UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 51-R-0003

CUSTOMER NUMBER: 79

FORM APPROVED OMB NO. 0579-0036

Bioreliance Corporation 9630 Medical Center Dr Rockville, MD 20850

Telephone: (301) -738-1000

DEC - 5 2000

3, REPORTING FACILITY ( List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional should if necessary )

FACILITY LOCATIONS (Siles) - See Alached Listing

				nai sheets if necessary or use APHIS Form 7023A )	F.
Animals Covered By The Animal Welfare Regulations	B. Number of enimals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y	C. Number of snims upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-reseving drugs.	D. Number of enimets upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the enimets and for which appropriate enesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pein or distrass to the animals and for which the use of appropriate enesthetic, analgestic, or tranquilizing thugs would have adversely effected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be stached to	TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E)
4. Dogs					
5. Cata	:				
6. Guinea Pigs		2104	1502		3606
7. Hamsters		360	235		595
8. Rabbits		921			921
9. Non-human Primate					
10. Sheep					
11. Pigs	1				
12. Other Ferm Animals					
13. Other Animals					
	<u></u>				

# ABBURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anisastatic, analgeaic, and tranquilizing drugs, prior to, during, and following actual research, teaching, tasting, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is editoring to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is estached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of unimals affected.
- 4) The stronding veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL outive Officer or Legally Responsible Institutional Official )	
SECONATURE OF CED. OR DISTITUTIONAL OFFICIAL  The willing	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print David Jacobson-Kram, PhD	11/30/00

APHIS FORM 7026

(Replaces VS FORM 18-23 (OCT 88), which is obsidele.

Vice President, Toxicology and Laboratory Animal Health

See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

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1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

USDA

OCT 1 6 2000 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTER include Zip Coa 51-R-0004, Cust ld 80

**GREGORY A PRINCE** 

VIRION SYSTEMS, INC. 9610 MEDICAL CENTER DRIVE

SUITE 100

ROCKVILLE, MD 20850

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

ROOMS ROOMS	BACE,	F.IJ.	Rooms	2,3,4,5,6,7,8,9,10	
REPORT OF ANIMALS USED BY OF	NUNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
- <u>11. Piqs</u>					
12. Other Farm Animals					
13. Other Animals					
Cotton Rats	1975	0	2679	0	4,654
garanteen gegen and the state of the state o			•		
:					

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	١.
(Chief Executive Officer or Legally Responsible Institutional Official)	

Licertify that the above is frue, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

com A.MNCE, CEO

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2000

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

51-R-0006. Cust Id 81 THEODORE O POEHLER JOHNS HOPKINS UNIVERSITY, THE 708N WYMAN PARK CENTER 3400 N. CHARLES STREET BALTIMORE, MD 21218

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, te-

additional

#### **FACILITY LOCATIONS (Sites)**

see attached

A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL:  (Cols. C + D + E)
4. Dogs	0	2	503	0	505
5. Cats	18	26	396	0	422
6. Guinea Pigs	0	48	1826	0	1874
7. Hamsters	0	24	483	0	507
8. Rabbits	0	41	1322	0	1363
9. Non-human Primates	113	0	270	0	383
10. Sheep	0	0 -	126	0	126
11. Pigs	0	0	428	0	428
12. Other Farm Animals					
Ferret 13. Other Animals	0	0	21	0	21
Deer Mice	0	0	209	0	209
Chinchilla	0	12	66	0	78
Voles	0	0	224	0	224

Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Theodore O. Poehler,

Ph.D, Vice Provost

△PHIS FORM 7023

FOFM 18 23 (OCT 88), which is obsolute t

- AUG 91)

Research

The Johns Hopkins University 708 N. Wyman Park Center 3400 N. Charles Street Baltimore, Maryland, 21218-2692

# FY 2000 USDA Annual Report

# 3. Facility Locations

Site 001: Colleges of Arts and Sciences and Engineering

Site 003: School of Hygiene and Public Health

Site 014: Research Farm

Site 015: Bayview Medical Center

Site 017: Medical Institutions

Site 023: IACUC Records

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

vith USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUAR

include Zip 51-R-0008, Cust ld 82 MARVIN L BERTSCH

INSECT CONTROL & RESEARCH INC.

1330 DILLON HEIGHTS AVENUE

BALTIMORE, MD 21228

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

**FACILITY LOCATIONS (Sites)** 

A. Animals Covered : By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or fests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or fests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats		4			4
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		15			15
9. Non-human Primates		····			
10. Sheep					
11. Pigs					
12. Other Farm Animals					·
13. Other Animals					

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OF	FICIAL
(Chief Executive Officer or Legally Responsible Institutional Officer	cial)

Ecertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

MARVIN L. BERTSCH ASSOCIATE ADMINISTRATOR

9/19/2000

# redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

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See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

2. HEADQUA

include Zir

FORM APPROVED ONE NO 0579-0036

51-R-0009, Cust ld 83

with USDA,

Boodan Dzwirzynski MEDIMMUNE, INC. 35 W. WATKINS MILL ROAD

GAITHERSBURG, MD 20878

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

35 West Watkins Mill Road

REPORT OF ANIMALS USED BY C	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A.) 1	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			13		13
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Cotton Rats	6.0		320		380

#### ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Legrify that the above is true, correct, and complete (7.11.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Bogdan Dzuirzynski Senior Vice President

APHIS FORM 7023

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

USDA APHIS AC

919 716 5696

P.02/04

additional information.

result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED QMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Z. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

3. REPORTING FACILITY (List all locations where animals were housed or used in octual resignich, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets it necessary.) FACILITY LOCATIONS (Siles)

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which reaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of ammals upon which experiments, teaching, resparch, surgery, or lests were conducted involving accompanying pair, or distress to the animals and for which appropriate anesthetic, analgasic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgary or tests were conducted involving accumpanying point or distress to the animals and for which the use of appropriate anesthatic, analgesic, or tranquilizing drups would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this repair).	F.  TOTAL NO OF ANIMAL  (Cols. C O D + E)
Dogs					0
. Cats					0
. Guinea Pigs					10
. Hamsters					10,
. Rabbits					
. Non-human Primates					L'Ø
0. Sheep					100
1. Pigs					10
2. Other Farm Animals					Ø
3. Other Animals					Ø
		)			
	<del>-</del>				

- Professionally acceptable standards governing the noise, treatment, and use of animals, including approviate use of aniesthetic, analgesic, and (rangulizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
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- 4). The attending veterinarian for this research feelifty has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of billion of the billion of the

(Chief Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) bove is true, cornect, and complete (7 USC Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)	DATE SIGNED
Vunttura	BUZZ Thomas Exec. DIRECTOR	12-11-00

APHIS FORM 1023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolute )

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

OCT 06

1. REGISTRATION NO.

51-R-0011, Cust ld 85

FORM ADDODUED

1036 USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADOUARTEI NEIL MELTZER include Zip Coc

SINAI HOSPITAL OF BALTIMORE, INC.

HOFFBERGER #42

2401 W. BELVEDERE AVENUE

BALTIMORE, MD 21215

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

ANIMAL LAB- GROUND FLR RESEARCH

MILLANDERCADON 2. DELA DETENANT

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats			4		4
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			,		
9. Non-human Primates					
10. Sheep					
11. Pigs			25		25
12. Other Farm Animals					
13. Other Animals					
					<del>                                     </del>

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NEIL MELTZER PRESIDENT, COO

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

in an order to cease and desist and to be subject to penalties as provided for in Section 2150

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO

51-R-0012, Cust ld 86

2. HEADQUARTE HOKE L SMITH

TOWSON UNIVERSITY 8000 YORK RD **TOWSON, MD 21252** 

CODE ADDROVED 0036

USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

Smith Hall

Psychology Building

REPORT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	ecessary or use APHIS FORM 7023A.)	
Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Nember of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate ariesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters	30	30			30
8. Rabbits					0
9. Non-human Primates					0
10. Sheep					0
11. Pigs					0
1.2. Other Farm Animals					0
13. Other Animals					
Rats	32	54			54

- Professionally acceptable standards governing the care, treatment, and use of animals, including approvate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

1 certify that the above is true, correct, and complete (7 U.S.C. Sertion 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) DATE SIGNED

Hoke L. Smith President

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is absolute.)

(AUG 91)

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED

2. HEADQUAR include Zip (

51-R-0014, Cust ld 87 FREEMAN HRABOWSKI

ith USDA

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

lude Zip ( FREEMAN HRABOWSKI
UNIVERSITY OF MARYLAND BALTIMORE COUNTY

5401 WILKINS AVENUE BALTIMORE, MD 21228

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) UMBC - 1000 Hilltop Circle, Baltimore, MD 21250

### FACILITY LOCATIONS (Siles)

Dept. of Biological Sciences 1000 Hilltop Circle Baltimore, MD 21250

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessury or use APHIS FORM 7023A)	
A.  Animals Covered By The Animal Welfare Regulations  NONE	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO.  OF ANIMALS  (Cols. C +  D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

# ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Freeman Hrabowski, Ph.D President DATE SIGNED

See reverse side for additional information. Interagency Report Control May 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO

FORM APPROVED 149 NO 0579-0036

2. HEADQUARTERS JOHN W LOWE

51-R-0016, Cust ld 88

Include Zip Code HENRY M. JACKSON FOUNDATION FOR THE

1600 E. GUDE DRIVE ROCKVILLE, MD 20850

ISDA,

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### **FACILITY LOCATIONS (Siles)**

(n=3,8) Walter Rosa Army Incomme of Research

1-11 - BOOTESYNIE (0-10 0)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates	3		10		10
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

#### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

John W. Lowe President/CEO

SIGNATURE OF CE.O. OR INSTITUTIONAL OFFICIAL

Replaces VS FORM 18.20 (OCT 88), which is obsolute (

(AUG 91)

See reverse side for additional information.

interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO 51-R-0017

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Maryland Research Laboratories

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA Otsuka America Pharmaceutical, Inc. include Zip Code)

Maryland Research Laboratories 9900 Medical Center Drive Rockville, MD 20850

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

		, , ,			
REPORT OF ANIMALS USED BY	OR UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if nece	ssary or use APHIS FORM 7023A)	
A. Animats Covered By The Animai Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals, upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic,or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			392		392
7. Hamsters			2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		
8. Rabbits			327		327
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic. analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Off	EADQUARTES RESEARCII FACILITY OFFICIAL icer or Legally Responsible Institutional Official) ve is true, correct, and complete (7 U. S. C. Section 2143).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  777 / Optic Cac (1)	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  Masuhiro Yoshitake,  Director, Maryland Research Laboratories  Otsuka America Pharmaceutical, Inc.	DATE SIGNED

result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

51-R-0018, Cust ld 89 2. HEADQUARTER include Zip Cod

UNIVERSITY OF MARYLAND @ BALTIMORE

10 S. PINE ST. RM G-100 MSTF BLDG, UMAB BALTIMORE, MD 21201

0180-DOA-AN

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

#### **FACILITY LOCATIONS (Sites)**

Medical School Teaching Facility

Bressler Research Building

Maryland Psychiatric Research Center

Health Sciences Facility

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs		0	11	0	11
5. Cats		0	0	0	0
6. Guinea Pigs	30	0	395	0	395
7. Hamsters	25	0	175	0	175
8. Rabbits		2	209	0	211
9. Non-human Primates		108	207	0	315
10. Sheep		0	0	0	0
11. Pigs		0	17	0	17
12. Other Farm Animals		0	0	0	0
13. Other Animals					
Ferrets			23	0	. 23
Vole	90	884	26	0	910

# ASSURANCE STATEMENTS

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- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Howard B. Dickler, MD Assoc. Dean for Research and Graduate	DATE SIGNED
	Studies	11/29/00

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

1 | 2000

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150 See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRA

51-R-0019, Cust ld 396

2. HEADQUA GENETIC THERAPY INC. include Zip 9 WEST WATKINS MILL RD

GAITHERSBURG, MD 20878

ROVED 79-0036

with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Siles)** 

9 West Watkins Mill Road

			1	ecessary or use APHIS FORM 7023A.) *  E. Number of animals upon which teaching.	T _
A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, averaging the procedure of the teaching.	F.  TOTAL NO OF ANIMALS  (COIS. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits	2				
9. Non-human Primates					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals					0
		1			

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Edward Otto Chief Operational Officer

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

10/3/50

APHIS FORM 7023

reception . Vo finkMit8 25 to A 88; which is stableted TAUG 91)

All redactions on this page are pursuant to (b)(6) & (b)(7)(c). This report is required by law (7 USC 2143) Failure to report according to the regulations can

This report is required by law (7 USC 2143) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

additional information

Interagency Report Control N 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

> 6 2000 せしょ

1. REGISTRATION NO.

51-R-0020. Cust ld 90 2. HEADQUART include Zip C

ESSEX COMMUNITY COLLEGE 7201 ROSSVILLE BLVD BALTIMORE, MD 21237

FORM APPROVED 9.0036

ith USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

VETERINARY TEChnology REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of Number of animals upon which teaching C Number of D. Number of animals upon animals upon experiments, research, surgery or tests were animals being which experiments, conducted involving accompanying pain or distress bred. which teaching, Animals Covered teaching, research, surgery, or tests were conditioned, or to the animals and for which the use of appropriate TOTAL NO. By The Animal research, anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of (Cols. C + D + E) research, or involving no and for which appropriate surgery but not the procedures producing pain or distress in these pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were purposes relieving drugs must be attached to this report). 0 0 0 0 0 Dogs 0 0 Cats 0 0 Guinea Pigs 0 0 0 0 7. Hamsters 0 0 0 8. Rabbits 0 0 Non-human Primates 0 0 0 0 0 10. Sheep 0 0 0 0 11. Pigs 0 Ó 0 12. Other Farm Animals 0 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(Chief Executive Of	HEADQUARTES RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official) bove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or PHIND)  CARO L. D. GUST'S  DEAN ALLIED HEALTH ALMAN CELECRY	DATE SIGNED

**ASSURANCE STATEMENTS** 

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUAF 51-R-0021, Cust ld 533 include ă

with USDA,

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Judith A. Hautala, AMERICAN RED CROSS Ph.D. 15601 CRABBS BRANCH WAY ROCKVILLE, MD 20855

Research and Development

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

American Red Cross

15601 Crabbs Branch Way

Rockville	os Branch Wa , MD 20855	y 			
REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	f (Altach adiditional sheets if ne	cessary or use APHIS FORM 7023A) *	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	<u> </u>	· ··· · · · · · · · · · · · · · · · ·			
7. Hamsters					
8. Rabbits	205	90	1260		1555
9. Non-human Primates					
10. Sheep					
. 11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS					

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(Chief Executive Office	ADQUARTES RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official) is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)  Judy Hautala, Interim Vice President	DATE SIGNED 12/1/00

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

DEC 12

1. CERTIFICATE NUMBER: 51-R-0028

200 customer number: 450

FORM APPROVED OMB NO. 0574-0036

ANNUAL REPORT OF RESEARCH FACILITY
( TYPE OR PRINT )

Novavax Biomedical Services Division 1 Taft Court, Suite 200 Rockville, MD 20850

Telephone: (301) -854-3900

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y∈	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	HONE				
5. Cats	NONE				
6. Guinea Pigs	NONE				
7. Hamsters	NONE	Management of the state of the			
8. Rabbits	NONE				
9. Non-human Primate	NONE				
10. Sheep	NONE				
11. Pigs	NONE				
12. Other Farm Animals	None				
13. Other Animals	NONE				
* WE	DO MIT	USE	Animals at	t this facility >	<b>*</b> **

# ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

YRL SIGER

APHIS FORM 7023

Replaces VS FORM 18-23 (OCT 88), which is obsolete.

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

51-R-0029

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (No. include Zip Cc

th USDA.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

51-R-0029, Cust ld 476

DAVID M MANYAK

OCEANIX BIOSCIENCES CORPORATION

7170 STANDARD DRIVE HANOVER, MD 21076

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or neig for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Siles)

21076 HONOVER, MD REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B Number of Number of animals upon which teaching, Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, which teaching, conducted involving accompanying pain or distress to the animals and for which the use of appropriate Animals Covered teaching, research, By The Animal conditioned or research, TOTAL NO. surgery, or tests were conducted involving anesthetic, analgesic, or tranquilizing drugs would held for use in Welfare Regulations experiments, or OF ANIMALS have adversely affected the procedures, results, or interpretation of the teaching, research, teaching, testing lesis were accompanying pain or experiments. conducted distress to the animals experiments, surgery, or tests. (An explanation of research, or (Cols. C + D + E) involvina no and for which appropriate surgery but not pain, distress, or the procedures producing pain or distress in these anesthetic, analgesic, or animals and the reasons such drugs were not used yet used for such use of paintranquilizing drugs were purposes must be attached to this report). relieving drugs Dogs Cats 158 158 Guinea Pigs Hamsters Rabbits Non-human Primates

#### ASSURANCE STATEMENTS

12. Other Farm Animals

13. Other Animals

Sheep 11. Pigs

7170 Standard Dr.

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
to add at the other control of the c

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

DAVID M. MANYAK

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

. 3

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51 - 12 - 0034

FORM APPROVED OMB NO 0579-0036

NOV 2 20

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

51-R-0034, Cust ld 505 RICHARD R RANNEY UNIVERSITY OF MARYLAND DENTAL SCHOOL

666 W. BALTIMORE ST. BALTIMORE, MD 21201

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing sheets if necessary.) ich additional

#### **FACILITY LOCATIONS (Siles)**

DENTAL SCHOOL, WININ of MARYLAND BALTIMORE 666 W. BALTIMORE St. BALTIMORE, MD 21201

	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)						
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)		
4. Dogs	0	0	0	0	0		
5. Cats	0	$\mathcal{O}$	3		3		
6. Guinea Pigs	0	0	0	0	0		
7. Hamsters	0	0	0	0	0		
8. Rabbits	0	0	U	$\mathcal{O}$	0		
9. Non-human Primates	0	$\circ$	2	0	2		
10. Sheep	0	Ò	0	12	0		
11. Pigs	0	0	0	O	0		
12. Other Farm Animals	0	0	Q	0	0		
13. Other Animals							
Mice	19	0	607	0	607		
nata	90	U	953	O	953		
ferrets	0	0	6	0	6		
ASSURANCE STATEMENTS							

1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive Officer o	QUARTES RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) rue, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	Richard R. Rayiney, Dean	10/27/00

APHIS FORM 7023

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip ( 51-R-0035, Cust ld 509

P THOMAS IYPE

BIOLOGICAL RSCH FACULTY & FACILITY, INC.

10075-20 TYLER PL.

IJAMSVILLE, MD 21754

3. REPORTING FACILITY	(List all locations where animals were housed or used in actual research, testing, tell
sheets if necessary)	Same

3

1 1 2000

additional

FACILITY LOCAT	TIONS (Siles)
Same	

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	0	10	0	0	10
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	-				

### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive O	HEADQUARTES RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional Official) above is true, correct, and complete (7 USC Section 2143)
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL CHAIN

SIGNATURE OF C.E.U. OR INSTITUTE	01175
- Thomas and	$\bigcirc$

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

P. Thomas Iype, President

DATE SIGNED 10/2/00

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

51-R-0036

FORM APPROVED OMB NO 0579-0036

4 4 LU 7

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

> 51-R-0036, Cust ld 93 JOHN C LANDON BIOQUAL, INC.

9600 MEDICAL CENTER DRIVE ROCKVILLE, MD 20850

n additional

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

**FACILITY LOCATIONS (Sites)** 

20850-3336 9600 Medical Center Dr., Rockville, MD

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing,

2501 Research Boulevard, Rockville, MD 20850-3228

REPORT OF ANIMALS USED BY C	OR UNDER CONTROL OF	RESEARCH FACILITY	' (Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A) *	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8 Rabbits	0	1,305	67	0	1,372
9. Non-human Primates	159	49	492	0	541
10. Sheep					
11. Pigs					
12. Other Farm Animals		- <del> </del>			
13. Other Animals					
Hyraxes	0	19	0	0	19

# ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversed the adequacy of other aspects of

printial care and use.		
(Chief Executive (	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) e above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
Sallin	John C. Landon, Ph.D. President, CEO	10/17/00

PHIS FORM 7023 🗚 UG 911

See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

#### UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

LEIF E OLSEN BIOWHITTAKER, INC. 8830 BIGGS FORD RD. P.O. BOX 127

WALKERSVILLE, MD 21793

51-R-0038, Cust Id 94 ANNUAL REPORT OF RESEARCH FACILITY

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, tessheets if necessary)

Attach additional

#### FACILITY LOCATIONS (Siles)

See Item 2 (above)

				cessary or use APHIS FORM 7023A) *  E. Number of animals upon which teaching,	<u> </u>
A.  Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research,	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	201	0	201
7. Hamsters	0	0	0	0	0
8. Rabbits	5	308	3	0	311
9. Non-human Primates	68	176	0	0	176
10. Sheep	0	35	0	0	35
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
Goats	7	42	0	0	42
ZENIHA XXIXX XXI					
Burros	0	11	0	0	11

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

LEIF E. OLSEN, V.P. REGULATORY AFFAIRS

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, 51-R-0040. Cust Id 521

W. ALAN MOORE

PRIMEDICA CORPORATION 2 TAFT COURT ROCKVILLE, MD 20850

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, 1--sheets if necessary.)

th additional

**FACILITY LOCATIONS (Sites)** 

Animal Research Facility

REPORT OF ANIMALS USED BY O	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if ne	cessary or use APHIS FORM 7023A) *	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		263			263
7. Hamsters		· · ·	130		130
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					30.7

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and if has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	۱I.
(Chief Executive Officer or Legally Responsible Institutional Official)	

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Alan Moore Institutional Office

10/16/00

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

OCT 1 1 2000

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS DESEABON EACH ITY (Name and Address as registered with USDA include Zip Cc 51-R-0041, Cust Id 9792

> UNIV OF MARYLAND 20 NORTH PINE ST

BALTIMORE, MD 21201

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or neighbor interest purposes.	Attach additional
sheets it necessary.)	
FACILITY LOCATIONS (Siles)	

20 N. Pine St., Baltimor 10616 BM REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach adiditional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, B Number of C Number of Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments. conducted involving accompanying pain or distress bred, Animals Covered which teaching, teaching, research, conditioned, or research, By The Animal to the animals and for which the use of appropriate TOTAL NO surgery, or tests were held for use in anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations experiments, or OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, research, or conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of distress to the animals involving no (Cols. C + D + E) and for which appropriate the procedures producing pain or distress in these surgery but not pain, distress, or anesthetic, analgesic, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were must be attached to this report). purposes. relieving drugs used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep Pigs 11. 12. Other Farm Animals 13. Other Animals

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of

(Chief Executive Officer of	OQUARTES RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL  My Mow Mines	Myron Weiner, Ph.D Associate Dean for Academic Affairs	DATE SIGNED

ASSURANCE STATEMENTS

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE EC 1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USQA, ) include Zip (

51-R-0046, Cust ld 745

BUTLER RESEARCH CENTER, INC. 4001 MILLENDER MILL ROAD REISTERSTOWN, MD 21136

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, t sheets if necessary.)

n additional

#### **FACILITY LOCATIONS (Sites)**

4001 Millender Mill Rd Reisterstown MA 21136

NE 1318	stown, N	10 21130			
A Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Ottach additional sheets if ne  D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO. OF ANIMALS  (Cols. C + D + E)
4. Dogs	NA	0	00	0	0
5. Cats	NA	0	0	0	0
6. Guinea Pigs	NA	0	0	0	0
7. Hamsters	NA	0	0	0	0
8. Rabbits	NA	0	0	0	0
9. Non-human Primates	NA	0	0	0	0
10. Sheep	0	0	38	0	38
11. Pigs	0	0	125	0	125
12. Other Farm Animals	0	0	22	0	22
13. Other Animals					

### **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL	L
(Chief Executive Officer or Legally Responsible Institutional Official)	

Licertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Thomas D. Morris President

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

See reverse side for additional information

Interagency Report Control Na 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include -

51-R-0047, Cust Id 95 STEPHANIE P WEISBROTH ANMED/BIOSAFE, INC. 7642 STANDISH PLACE ROCKVILLE, MD 20855

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testii sheets if necessary.)

tach additional

#### **FACILITY LOCATIONS (Siles)**

7642 Standish Place Rockville, MD 20855

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	F.  TOTAL NO OF ANIMALS  (Cois. C + D + E)
4. Dogs	0	0	0	00	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	141	141	0	. 0	141
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending vetermanan for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
Stephanie P. Weisbroth, Ph.D.
Vice President

DATE SIGNED

10/11/00

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See reverse side for additional information. Interagency Report Continue 0180-DOA-AN

FORM APPROVED OMB NO 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE 1. REGISTRATION NO. ANIMAL AND PLANT HEALTH INSPECTION SERVICE

NOV 16 2000

51-R-0050

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

51-R-0050, Cust ld 513 JAMES L LEEF BIOMEDICAL RESEARCH INSTITUTE 12111 PARKLAWN DRIVE ROCKVILLE, MD 20852

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing,

ch additional

#### **FACILITY LOCATIONS (Sites)**

Biomedical Research Institute

(same as above		DESCRIPTION TO		- ADUIC FORM 2022A V	<del></del> .
Animals Covered By The Animal Welfare Regulations	B. Number control. Of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of arrimals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		6			6
7. Hamsters		150			150
8. Rabbits		8			8
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS			· marine		

#### Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

- 2) Each principal investigator has considered afternatives to painful procedures.
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# CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

ficertify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Dr. James Leef, Director, BRI

11/12/10

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 51-R-0051

CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Spring Valley Laboratories Inc. 1500 Fannie Dorsey Rd Sykesville, MD 21784

Telephone: (201) -795-2222

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )							
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )		
4. Dogs					!		
5. Cats							
6. Guinea Pigs							
7. Hamsters			The state of the s				
8. Rabbits	557	551			551		
9. Non-human Primate							
10. Sheep							
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
			And the control of th				
					1		

#### **ASSURANCE STATEMENTS**

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	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Robert M. Shaw, President	DATE SIGNED

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 51-R-0055

CUSTOMER NUMBER: 740

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Sitek Corporation Sitek Research Laboratories 15235 Shady Grove Road Suite 303 Rockville, MD 20850

Telephone: (301) -926-4900

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

			_					heets if necessary or use APHIS Form 7023A \	
A.  Animals Covered By The Animal Welfare Regulations	<b>B.</b>	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs		İ							
5. Cats	1						$\perp$		
6. Guinea Pigs	!	160		160					160
7. Hamsters	Ī								
8. Rabbits		29		29					29
9. Non-human Primate									
10. Sheep									
11. Pigs		,							Note a second and second second
12. Other Farm Animals	;				-				
13. Other Animals	<u> </u>				1				
	1								
		11.00							

#### **ASSURANCE STATEMENTS**

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	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
Cal Thus	PRUL E. KIRBY - PRESIDENT	12-5-00

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-R-0056

FORM APPROVED OMB NO 0579-0036

51-R-0056

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip r

51-R-0056, Cust Id 687 MICHAEL G HANNA INTRACEL CORPORATION 1330 PICCARD AVENUE ROCKVILLE, MD 20850

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, to

ANNUAL REPORT OF RESEARCH FACILIT

(TYPE OR PRINT)

n additional

FACILITY LOCATIONS (Sites)

INTRACEL Corporation

sheets if necessary.)

1330 Piccard Drive, Rockville, MD 20850

A. Animals Covered By The Animal Welfare Regulations	B Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMAL  (Cols. C - D + E)
4. Dogs		W. 200			
5. Cats					
6. Guinea Pigs		251	52		303
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
78774					

#### SURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTI	ES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally	Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
Michael G. Hanna, Jr., Ph.D.

President and Chief Scientific Officer

1/27/00

DATE SIGNED

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

See reverse side for additional information Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 51-R-0057

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEADQ'

OMB NO 0579-0036

include 51-R-0057. Cust Id 691

OSIRIS THERAPEUTICS, INC. 2001 ALICEANNA STREET BALTIMORE, MD 21231 3

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

**FACILITY LOCATIONS (Sites)** 

Osiris Aliceanna facility

TDMI Reisterstown facility

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, feaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					- 0 -
5. Cats					- 0 -
6. Guinea Pigs					- 0 -
7. Hamsters					- 0 -
8. Rabbits	-20-	-0-	-0-	-0-	- 0 -
9. Non-human Primates					- 0 -
10. Sheep					- 0 -
11. Pigs					- 0 -
12. Other Farm Animals					
Goats	-20-	-0-	-38-	-0-	-38-
13. Other Animals					- 0 -

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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(	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)

Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Annemarie Moseley, President & C.E.O.

11/29/00

DATE SIGNED

APHIS FORM 7023

SIGNATURE OF) C.E.O. OR INSTITUTIONAL OFFICIAL

See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 51-R-0058 CUSTOMER NUMBER: 1349

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
( TYPE OR PRINT )

Stellar Bio Systems, Inc. 9075 Guilford Rd. Columbia, MD 21046

Telephone: (410) -381-8550

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )					
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	Ô	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0

# ASSURANCE STATEMENTS

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The attending veterinarian for this research leasing has a	ppropriate additionally to ensure the provision of adequate vectorinary date and to oversee the adequately of ourse depose of a min	151 541 5 114
AN .	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )	
SIGNATURE OFFICIAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print George ChristoHersen VP Operations	DATE SIGNED

APHIS/FORM 7/23

See reverse side for additional information

Interagency Report Coulton 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 51-R-0059 FORM APPROVED OMB NO 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA,

51-R-0059, Cust ld 1636 W SARNGADHARM

OTC/ADVANCED BIOSCIENCE LABS., INC.

5510 NICHOLSON LANE KENSINGTON, MD 20895

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, sheets if necessary)

-- purpuses. Attach additional

**FACILITY LOCATIONS (Siles)** 

1330 Piccard Dz Rocky He, MD 2085

REPORT OF ANIMALS USED BY OR UND	DER CONTROL OF RESEARC				
		A FACILITY (Attach adidition	al sheets if necessary or use APHI.	S FORM 7023A.) '	
Animals Covered by The Animal welfare Regulations to the control of the control o	ored, which resear experiments, escenting for use in eaching, festing, experiments, escearch, or involving for used for such which returned with the conditions and the conditions are the conditions and the conditions are t	s upon teaching, teaching, ments, or vere accompanying ted distress to the and for whice anesthetic a agreements	experiments, reconducted invests were volving grain or the animals appropriate malgesic, or animals and the conducted investigation or the procedures animals and the conducted investigation or the c	mals upon which teaching, seearch, surgery or tests were olving accompanying pain or distress and for which the use of appropriate olgesic, or tranquillizing drugs would affected the procedures, results, or of the teaching, research, urgery, or tests. (An explanation of a producing pain or distress in these in reasons such drugs were not used and to this report).	F.  TOTAL NO OF ANIMALS  (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	5				50 422
9. Non-human Primates	<i>55</i> 33	0 37			422
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

### ASSURANCE STATEMENTS

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C	ERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)
	Laurelle that the above in term appeared and a second of 211000 and 11000 an

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
MG Sarngacharan
MC TOOLEGAL HELL IVO

# All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

**FACILITY LOCATIONS (Sites)** 

FORM APPROVED OMB NO 0579-0036 F

2. HEADQUARTERS RESEARCH EACH <u>51-R-0</u>060, Cust ld 1647

ed with USDA

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

UMBI ANIMAL CORE FACILITY MBCRF 1ST FL., SOUTH

725 W. LOMBARD ST.

BALTIMORE, MD 21201 experimentation, or held for these purposes. Attach additional

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, sheets if necessary)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) Number of animals upon which teaching, Number of C Number of D. Number of animals upon animals being animals upon experiments, research, surgery or tests were which experiments. conducted involving accompanying pain or distress bred, Animals Covered which teaching, teaching, research, conditioned, or to the animals and for which the use of appropriate research, TOTAL NO. By The Animal surgery, or tests were experiments, or anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations held for use in OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, interpretation of the teaching, research, conducted distress to the animals experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these involving no (Cols. C + D + E) research, or and for which appropriate surgery but not pain, distress, or anesthetic, analgesic, or yet used for such use of painanimals and the reasons such drugs were not used tranquilizing drugs were purposes. relieving drugs must be attached to this report). used 98 94 Dogs Cats Guinea Pigs Hamsters 66 56 10 Rabbits 78 72 6 Non-human Primates Sheep 10. 11. Pigs 12. Other Farm Animals Other Animals 1471 300 900 271 rats 2456 150 1506 800 mice

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Learthy that the above is true correct, and complete 17 H.C.C. Courses 2142)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Jannie C. Hunter Cicin

Dr. Jennie Hunter-Cevera UMBI President

11-21-00

ASSURANCE STATEMENTS

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

51-R-0061

FORM APPROVED OMB NO 0579-0036

I with USDA

# ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

9620 Medical Center Drive

2. HEADQUA include Zi<sub>I</sub> 51-R-0061, Cust ld 1668 CRAIG A ROSEN

HUMAN GENOME SCIENCES, INC.

9410 KEY WEST AVENUE ROCKVILLE, MD 20850

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)
 FACILITY LOCATIONS (Sites)

#### Rockville, MD 20850 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.) B. Number of C Number of Number of animals upon which teaching. Number of animals upon experiments, research, surgery or tests were animals being animals upon which experiments, conducted involving accompanying pain or distress Animals Covered bred, which teaching, teaching, research, By The Animal conditioned, or to the animals and for which the use of appropriate research, TOTAL NO surgery, or tests were Welfare Regulations held for use in experiments, or anesthetic, analgesic, or tranquilizing drugs would OF ANIMALS conducted involving teaching, testing, have adversely affected the procedures, results, or tests were accompanying pain or experiments, conducted interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of research, or involving no (Cols. C + D + E) and for which appropriate anesthetic, analgesic, or surgery but not the procedures producing pain or distress in these pain, distress, or yet used for such animals and the reasons such drugs were not used use of paintranquilizing drugs were relieving drugs purposes. must be attached to this report). used Dogs Cats Guinea Pigs Hamsters Rabbits Non-human Primates 10. Sheep Pigs 11. 12. Other Farm Animals

#### ASSURANCE STATEMENTS

13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

(Chief Executive	Y HEADQUARTES RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) e above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	Craig Boson, Bh.D.	_ / ,

Senior Vice President

APHIS FORM 7023

Replaces, VS FORM to 23 (OCT 88), which is obsolute t

(AUG 91)

See attached form for additional information

Interagency Report Control

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 51-R-0064 CUSTOMER NUMBER: 1830

064 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Therimmune Research, Inc. 15 Firstfield Road Gaithersburg, MD 20878

Cannologuig, mb 20010

Telephone: (301) -330-3723

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary )

FACILITY LOCATIONS (Sites) - See Atached Listing

A.	B. Number of	C. Number of	D. Number of animals	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E )
4. Dogs	3	74	4	0	78
5. Cats					
6. Guinea Pigs	0	94	0	0	94
7. Hamsters					
8. Rabbits	0	156	0	0	156
9. Non-human Primate	0	46	0	0	46
10. Sheep				_	
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					<del>!</del> 

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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	N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print STEPHEN J. TREVISOR)	DATE SIGNED

This report is required by law (7 USC 2143). Failure to report according to the regulations

See attached form for additional information

Interagency Report Control (a.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 51-R-0065 CUSTOMER NUMBER: 12155 FORM APPROVED OMB NO. 0575-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Operational And Emergency Medical Support Group 9910 Greenbriar Ln Walkersville, MD 21793

Telephone: (301) -610-2180

fatec.

s. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, teating, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR	UNDER C	ONTROL OF	RESEARC	H FA	CILITY ( Attach addition	nal sheets	If necessary or use APHIS Form 7023A \	·
A.  Animals Covered By The Animal Welfare Regulations	B. Number primals bred, candition held for tosching testing, expening surgery is	being ned, pr use in 3. ents.	C. Number of animals up which tea research, experimentes were conducted involving pain, distruse of pair relieving of the second conducted involving the se	pon iching, nts, or e d no ress, or	0 6 19 ir 6 d	Number of animals appromised which experiments, leaching, executed, surgery, or ests were conducted avolving excompanying pain or listness to the animals and for which appropriate enesthetic, a	experience of the series of th	mber of animals upon which teaching, serments, research, surgery or tests were studed involving accompanying pain or distress the animals and for which the use of appropriate esthetic, analgesic, or tranquilizing drugs would se advarsely affected the procedures, results, or procedures of the teaching, research, experiments, gery, or tests. (An explanation of the procedures duding pain or distress in these animals and the sons such drugs were not used must be attached to	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs									
5. Cats				Ì					
6. Guines Pigs									
7. Hamsters								· · · · · · · · · · · · · · · · · · ·	
8. Rabbits									
9. Non-human Primate									
10. Sheep									
11. Pigs		0	(	2		_0			0
12. Other Farm Animals									
13. Other Animals							-		
· · · · · · · · · · · · · · · · · · ·									

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- 4) The extending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overset the adequacy of other espects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official )										
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print	DATE SIGNED								
John Horman	JOHN HACMANH, MD COURSE DIRECTOR PRESIDENT / MEDICAL DIRECTOR	12/8/00								

APHIS FORM 7023 ( AUG 91 ) (Replaces VS FORM 18-23 (OCT 68), which is obsolete.

OPERATIONAL AND EMERCENCY MEDICAL SUPPORT GROUP